NIX,INC.

CORPORATE PROFILE

PLASTIC NEW VALUE

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The strength of NIX is the capability of creating
innovative plastic products
that satisfy the needs of our clients.

For over 60 years since the start of business in 1953,
we have been manufacturing and selling plastic products.
What we value the most is the development of
creative partnerships with clients.
This is because we believe that by combining our plentiful experience
in material technologies with client product development,
it is possible to embody ideal products beyond our clients' imagination.

"PLASTIC NEW VALUE"
Under the slogan "to create the new value of plastics,"
we will propose optimal one-stop solutions,
including direct consultation at the stage of developing the concept
for resin production, design, development, and mass-production of
products, as a creative partner of clients.

PLASTIC NEW VALUE

NIX,INC.

NIX's capability of creating value
is supported by the abilities
to develop materials and
design products, which have
matured over many years.
We strive to solve the problems
that are bothering clients,
from aspects of material
development to
shape/mechanism design.

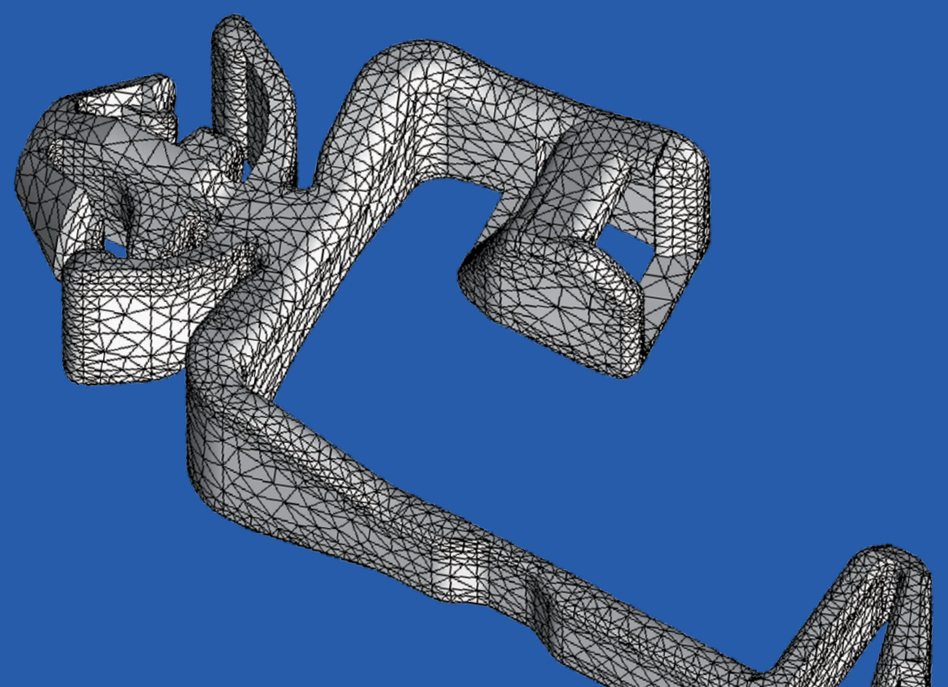
MATERIAL × DESIGN

Capability of designing products

We will propose ideas that would satisfy clients,
by designing products based on our profound knowledge of
plastic properties. We will meet the specifications
demanded by clients by designing the shape and
mechanism of each product while considering possible
events in resin production to realize an "ideal shape."

Capability of developing materials

To actualize the properties (such as strength and heat resistance)
demanded by clients, we will not only choose the most appropriate
plastic material, but also strengthen the properties,
and provide environmentally friendly functional plastic composites,
while adding new features such as electric conductivity,
sliding properties, and insect-repellent formulas.



As of now, the number of companies for which NIX designed an “ideal shape” is 1,023.
It is still increasing.
We will meet the needs in a variety of industries with the limitless potential of plastics.

1023 companies

Precise plastic parts for industrial use

Industrial plastic parts are used in all kinds of fields including: electrics, electronics, OA, communications, automobiles, and housing equipment. We offer environmentally friendly, highly functional, high-quality products, while working with feedback from our clients.

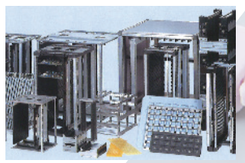
Plastic parts of mechanisms for industrial use

We are involved with the development of products from the stage of initial conception, to offer the parts of various mechanisms by transforming metal springs into resin ones, abolishing screw clamps, reducing the number of parts, decreasing the weight of each product, etc. based on the technologies and know-how of NIX.

NIXAM® Applied Products

By using our original material NIXAM®, which is based on engineering plastic compounds, we provide plastic products with added value, including the transformation of metal parts into resin ones, heat resistance, chemical resistance, and bug-proof properties.

SMT Products



Based on the concerns of many clients, we produce products that improve the mounting process, including magazine racks for storing PC boards, magazine washers, PCB cleaners, and automatic labeling systems.

Our original material “NIXAM®” solves problems that cannot be solved with commercially available plastic materials.
We offer differentiated functional parts, by adding new features to plastics based on our material blending design and compound technology.

NIXAM®

Needs: We want materials that are slidable under a high-temperature environment.

+ Heat resistance and sliding property

We developed bearing materials that can be used without grease under high-temperature, rapid-rotation, and high-load conditions.

Needs: We want to reduce the weight of each metal part.

+ Pressure resistance and impact resistance

To reduce weight and cost while satisfying the specifications demanded by clients

Needs: We want resistance-controlled resins.

+ Conductivity and ESD measures

To prevent electrostatic discharge failure of a semiconductor and decrease defects caused by foreign substances

Needs: We want bug-proof products.

+ Insect-repellent property

To improve the safety and degree of freedom of product shapes so that products can be used in a multitude of scenes

※NIXAM® is an abbreviation of NIX Advanced Materials.

ARINIX®

ARINIX®, which was developed by adding bug-repellent properties to plastics, is a bug-proof material under the new concept of repelling bugs rather than killing them.
The development of ARINIX® as functional auto parts started in 1999. In the United States and Japan, there were many cases in which a spider got inside an automotive part and built a web, causing troubles with vehicle performance. In order to solve them, ARINIX® was developed.
One characteristic of ARINIX® is “etofenprox,” which repels bugs and has been blended in plastic resin; it gradually seeps to the surface and remains effective for a long period of time. The amount of this chemical on the resin surface is miniscule, and will not kill bugs or destroy biodiversity. In addition, the chemical blended in the resin hardly evaporates, so there is no concern over the possibility that people will inhale it. This is an environmentally friendly, next-generation, bug-proof material that separates the living spaces of bugs and people.
With the keywords: safety, repellent action, and long-lasting property, we handle a wide variety of products, including injection-molded items.

[Example of installation]
Our products have been installed in automatic vending machines at station platforms, etc., including the fully automatic vending machines set at the venue of Expo 2005 in Aichi Prefecture.

NIX WAY

Nothing to something･･･
We will meet the needs of clients based on our comprehensive solutions, including material development and mass production.

We listen to the voices of clients carefully to clarify their problems and give better proposals.

Problems disturbing clients

↓

Meticulous meeting

↓

Dynamism of NIX R&D solutions

Shape optimization

Material development / Shape design

Maximization of features

↓

Proposal for solutions

↓

Design and production of molds

↓

Examination of mass production feasibility and evaluation of performance

↓

PLASTIC NEW VALUE

By combining the experience of developing a variety of plastic products and cutting-edge technologies, we try to solve problems with each client from aspects of material development to shape design.

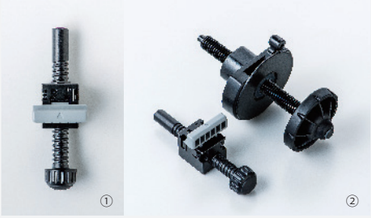
We have strict in-house evaluation criteria.

We contribute to the business of each client through strong partnership by not only embodying an “ideal shape,” but also dealing with mass production, deadline control, quality management, and after-sales services.

Episode in development

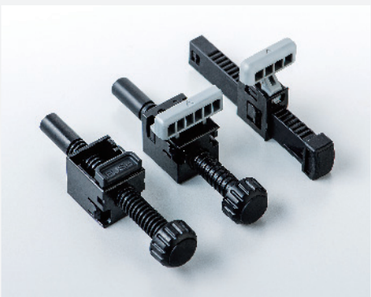
NIX’s original product “LC Adjuster” for meeting a client’s request with “extra value”

“LC Adjuster” adjusts the height of a projector with one touch. This name is derived from the initial letters of “Light weight & Compact,” which characterize the product. This is an original product of NIX, which boasts a significant market share.
When the development of LC Adjuster was started, the adjusters of all other makers were made of metal, large-sized, and heavy. NIX was expected to create resin adjusters and reduce their size and weight.
LC Adjuster is characterized by achieving the reduction in size and weight as well as maintenance in strength by adopting resin except the metal shaft for reinforcing the foot and metal spring for driving the button (lever).
We first tried to reduce the size and weight as much as possible, and attempted to realize the opening and closing of buttons and levers with resin springs, but we were not able to actualize sufficient strength. Then, we adopted metal springs. One of NIX’s strengths is such flexibility to use not only plastics, but also other materials.
In addition, we strive to reduce the number of molds and initial costs by using the same component for the case and foot parts hidden in a device and adopting the spinning top-shaped component replacement method for the grounding parts and buttons (levers), whose designs are considered important, for the purpose of improving design and minimizing costs.
We not only meet the needs of clients, but also pursue ideals and new values when manufacturing products.



(1) LC Adjuster developed by NIX
(2) The metal adjuster (right), which was used at the early stage of development, and the LC Adjuster (left)

We repeat trial production to embody ideal shapes, for example, by conducting durability experiments many times.



LC Adjuster customized to meet the requests from clients